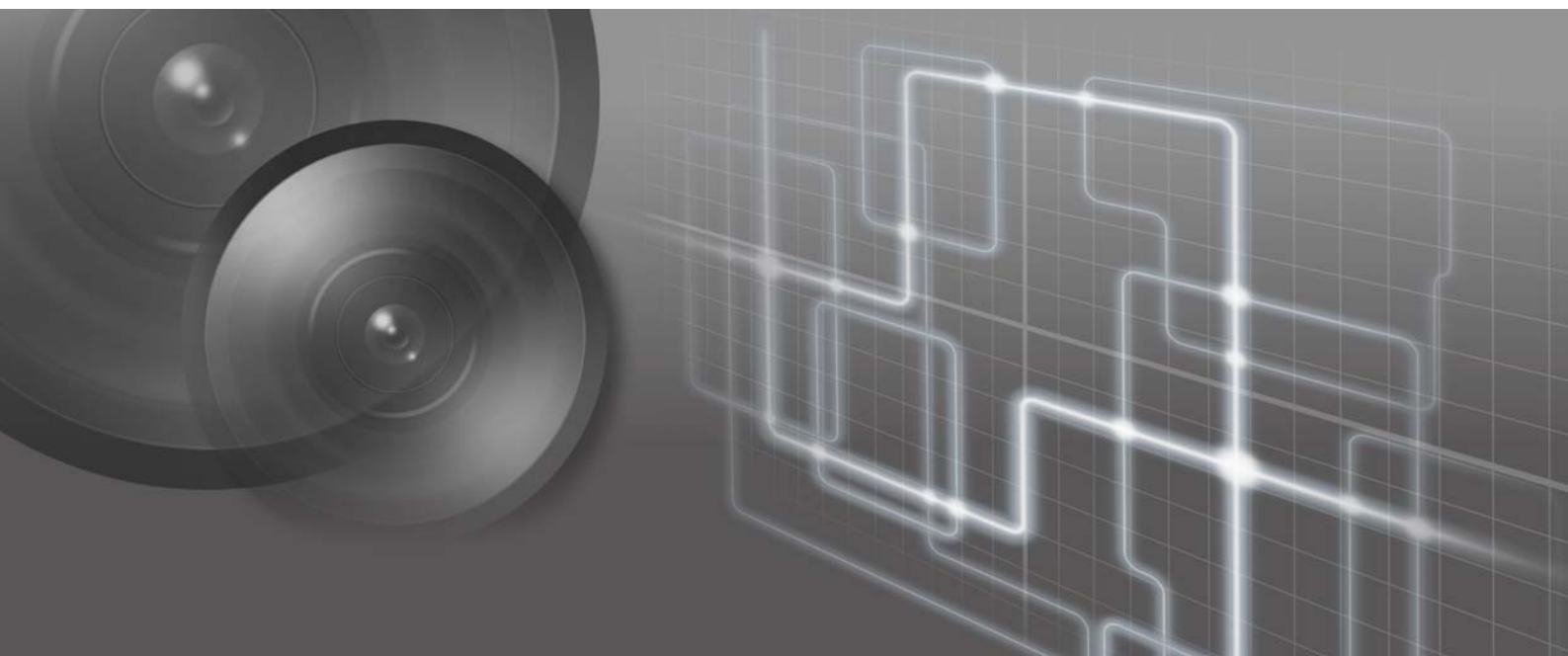




Using Web Pages to Distribute Video Captured with the Camera



Introduction

This manual contains information on how to customize the sample pages for use, as well as information on how to save the web site data onto the camera's flash memory. This manual contains information on how to stream live video using the VB Viewer, as well as how to customize the top page on compatible models).


**Important**
The contents of this manual, including the sample pages, are provided without warranty or support of any kind.

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Publishing Video Through a Web Server

These sample pages can be used to help create web sites using video from the camera.

The following details provide an example of the sample code.

- You can display the video captured by the camera as a still image the moment the client accesses your web page.
- Display the video being captured from the camera, from when the play button is clicked until the stop button has been clicked.

Refer to the sample page for a specific example.

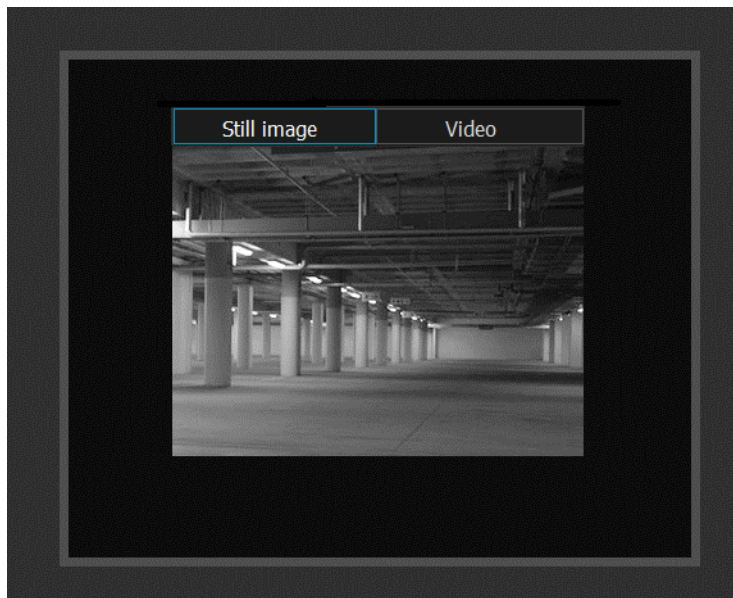
Important

- In order to create a web page and publish on the internet referring to the sample page, be sure to register the web pages to a web server beforehand.
- Enabling cookies and JavaScript in your browser settings is required to operate web pages created using this sample page.
- In order to display the video captured by the camera, please assign [Video Distribution] privileges to [Guest User] in the Setting Page of the camera.

Display the Live Video as a Still Image

"still.html" is a sample page that displays a still image captured by the camera, when the web page is accessed.

■ Display Example



■ Description

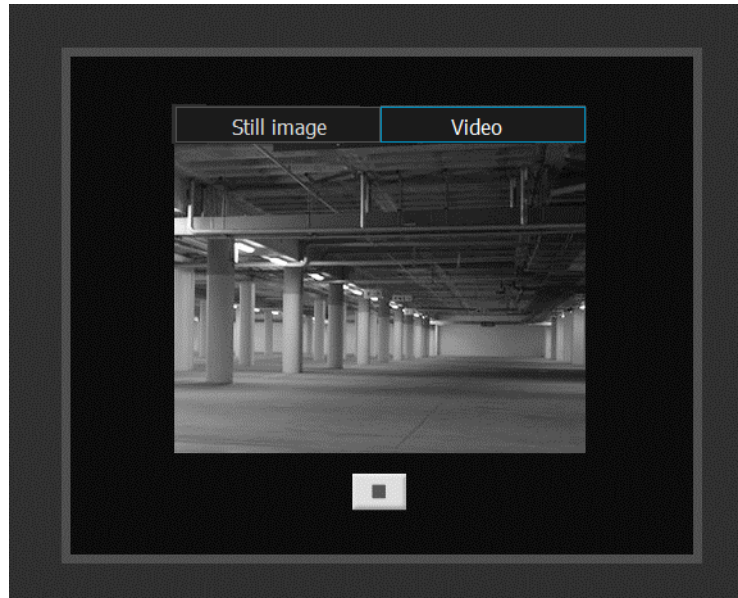
```
<div id="image">

</div>
```

Display the Live Video as Video

"video.html" is a sample page that displays live video as a video, from when the play button has been clicked until the stop button has been clicked.

■ Display Example



■ Description

```
var frame_url = "http://<Camera's IP Address>/-vvhttp-01-/image.cgi?v=jpg:<video size>&seq=";
```

How to Set the Video Size

The image.cgi can use the v command in accordance to the camera's video size set.

For example, if the video size set is 1280x720 / 640x360 / 320x180, you must use the one of the following:

v=jpg:320x180

v=jpg:640x360

v=jpg:1280x720

Publishing Video by Saving the Web Page Data in a Camera

Web page data can be saved in the flash memory of the camera. By saving the web page for video distribution in the camera's internal flash memory, you can distribute both the web page and video using the camera alone.

To save data, transfer the web page data files to the camera folder via FTP.

It is not necessary to specify the IP address of the camera. If the settings of the video size is unchanged, the sample page can be used as is. To set the video size, refer to "How to Set the Video Size" (p. 4) and edit the file.



Important

- When saving web page data to the flash memory in the camera, make sure the total data size does not exceed 2 Mbytes.
- If the available space in the flash memory becomes low, the writing speed may drop. Save only the minimum required files in the flash memory.
- If the web page data grows too large, it may no longer be possible to change the camera settings.
- When [Restore Default Settings] is executed from [Maintenance] in the Setting Page, the saved data will be cleared, so back up the data beforehand.
- If web page data is saved to the flash memory, be sure to check the event logs after changing any settings to confirm that an error (S306, S307) was not generated while saving the new settings. If an error is recorded, delete the web page data and set the data again.
- If the camera is set not to use the FTP server, please set the camera to use the FTP server from the camera's Setting Page.

The URI for data transfer and account, is as follows:

URI for data transfer	ftp://<Camera's IP Address>/local
Account	Account set in the [FTP Server] of the Settings page

The URI for opening the transferred data in a web browser, is as follows:

http://<Camera's IP Address>/local/



Note

The URI for data transfer and account, is different in the following cameras and firmware versions:

- VB-R11VE/VB-R11/VB-R10VE (Firmware V1.0.x)
- VB-M641VE/VB-M641V/VB-M640VE/VB-M640V (Firmware V1.0.x)
- VB-M741LE/VB-M740E (Firmware V1.0.x)
- VB-H43/VB-H630VE/VB-H630D/VB-H730F
- VB-M42/VB-M620VE/VB-M620D/VB-M720F
- VB-S30D/VB-S31D/VB-S800D/VB-S900F
- VB-S805D/VB-S905F
- VB-H41/VB-H610VE/VB-H610D/VB-H710F
- VB-M40/VB-M600VE/VB-M600D/VB-M700F

URI for data transfer	ftp://<Camera's IP Address>/usr/www/html/local
Account	Administrator account

Distributing Video Using VB Viewer

The following cameras installed with “VB Viewer” can distribute video via a web site, using VB Viewer.

■ Network cameras with VB Viewer

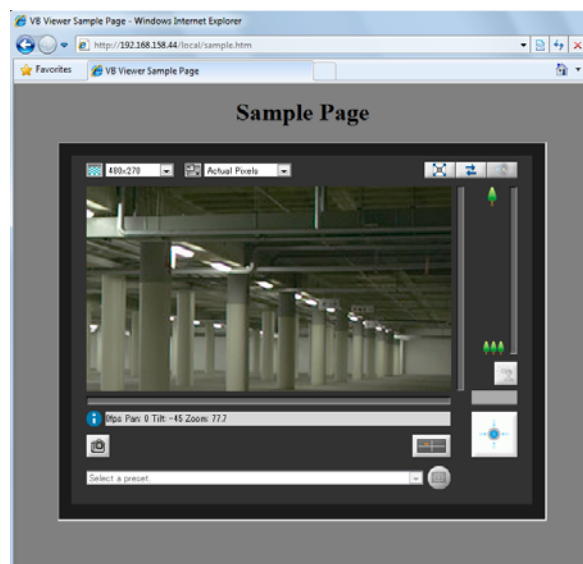
- VB-R11VE/VB-R11/VB-R10VE (Firmware V1.0.x)
- VB-M641VE/VB-M641V/VB-M640VE/VB-M640V (Firmware V1.0.x)
- VB-M741LE/VB-M740E (Firmware V1.0.x)
- VB-H43/VB-H630VE/VB-H630D/VB-H730F
- VB-M42/VB-M620VE/VB-M620D/VB-M720F
- VB-S30D/VB-S31D/VB-S800D/VB-S900F
- VB-S805D/VB-S905F
- VB-H41/VB-H610VE/VB-H610D/VB-H710F
- VB-M40/VB-M600VE/VB-M600D/VB-M700F



Important

- When using a web server, make sure that the IP addresses (or global addresses) of the web server and the camera are on the same subnet.
- Enabling cookies and JavaScript in your browser settings is required to operate VB Viewer and web pages created using this sample page.

■ Web Page Sample



■ Content of the Web Page's HTML Files

```
<html>
<head>
<meta http-equiv="X-UA-Compatible" content="IE=9" />
<title>Viewer Sample Page</title>
</head>
<body bgcolor="gray">
<center>
<h1>Sample Page</h1>

<iframe src="http:// <Camera's IP Address>/viewer/live/index.html?lang=ja"
        scrolling="no"
        width=490 height=500>
</iframe>

</center>
</body>
</html>
```

} Refer to "iframe Element Attributes" (p. 8) for information about the values of various attributes.



Important

The panorama display window may be hidden depending on the display (frame) size of the VB Viewer. Adjust the size, or move the panorama display window by dragging the title bar.



Note

You can utilize the language setting function of the browser to create a multi-language web page. For example, set the top page for Japanese users as index-ja.html and English page for overseas users as index.html, and separate the URL with slashes, such as http://<Camera's IP Address>/sample/. This way, the server will send appropriate files according to the browser's language setting for the accessed page. For details on the language setting function, see the browser's Help.

■ iframe Element Attributes

You can change the attribute values of iframe elements to create a web page matching your purpose or what you want to express on the page. Only use each parameter after fully understanding what it means.

src attribute

Specify the URI of VB Viewer. Cannot be skipped.

VB-R11VE/VB-R11/VB-R10VE/VB-M641VE/VB-M641V/VB-M640VE/VB-M640V/
VB-M741LE/VB-M740E/VB-H43/VB-H630VE/VB-H630D/VB-H730F/VB-M42/
VB-M620VE/VB-M620D/VB-M720F/VB-S30D/VB-S31D/VB-S800D/VB-S900F/
VB-S805D/VB-S905F:

```
src="http:// <Camera's IP Address>/viewer/live/index.html?lang=<Language>"
```

VB-H41/VB-H610VE/VB-H610D/VB-H710F/VB-M40/VB-M600VE/VB-M600D/VB-M700F:

```
src="http:// <Camera's IP Address>/viewer/live/<Language>/live.html"
```

If you are saving the web page to the flashmemory in the camera, you can also omit the IP address as follows.

Example: VB-M40/VB-M600VE /VB-M600D/VB-M700F

```
src="/viewer/live/<Language>/live.html"
```

The language of the displayed VB Viewer is specified in <Language> as follows.

Japanese	ja	Italian	it	Turkish	tr
English	en	German	de	Russian	ru
French	fr	Spanish	es	Chinese	zh

Note that the available languages differ depending on the camera used.

scrolling attribute

Specify whether to display or hide the scroll bar. Can be skipped.

Define as follows to hide the scroll bar.

```
scrolling="no"
```

width attribute

Specify the frame width to match the video size of the camera. Cannot be skipped.

VB-M40/VB-M600VE/VB-M600D/VB-M700F:

```
width=490
```

All other cameras:

```
width=645
```

Customizing the Top Page

Cameras with a “Top Page”, can have the top page customized, allowing what is being displayed, and how the camera is operated to be changed.

■ Camera's with a Top Page

- VB-R11VE/VB-R11/VB-R10VE (Firmware V1.0.x)
- VB-M641VE/VB-M641V/VB-M640VE/VB-M640V (Firmware V1.0.x)
- VB-M741LE/VB-M740E (Firmware V1.0.x)
- VB-H43/VB-H630VE/VB-H630D/VB-H730F
- VB-M42/VB-M620VE/VB-M620D/VB-M720F
- VB-S30D/VB-S31D/VB-S800D/VB-S900F
- VB-S805D/VB-S905F
- VB-H41/VB-H610VE/VB-H610D/VB-H710F
- VB-M40/VB-M600VE/VB-M600D/VB-M700F



Note

The top page can be accessed from the below.

http:// <Camera's IP Address>/

For example, specify the following in the browser address bar if the camera's IP address is 192.168.100.1.

http://192.168.100.1/

■ Changing the Top Page

The top page of the camera (HTML files, style sheets, image files, etc.) is recorded in the camera's internal flash memory. Top page files can be obtained and updated by accessing the flash memory via FTP.

Top page HTML files are divided as follows for each language. Note that the available languages differ depending on the camera used.

Type of File	Path	File Name
Japanese Top Page	/mnt_flash/www/html/top/	index-ja.html
English Top Page		index.html
French Top Page		index-fr.html
Italian Top Page		index-it.html
German Top Page		index-de.html
Spanish Top Page		index-es.html
Turkish Top Page		index-tr.html
Russian Top Page		index-ru.html
Chinese Top Page		index-zh.html

Overwrite style sheets and image files if necessary. The style sheets and image files of the default top page can be found at the following paths.

Type of File	Path	File Name
Style Sheet Files	/mnt_flash/www/html/top/	toppage.css
Japanese Image Files	/mnt_flash/www/html/top/img	Files that start with "j_"
English Image Files		Files that start with "e_"
French Image Files		Files that start with "f_"
Italian Image Files		Files that start with "i_"
German Image Files		Files that start with "g_"
Spanish Image Files		Files that start with "s_"
Turkish Image Files		Files that start with "t_"
Russian Image Files		Files that start with "r_"
Chinese Image Files		Files that start with "c_"
Background Image Files		top_back.jpg
Other Image Files		logo.gif*

* Some cameras do not have the logo.gif file.



Important

- Be sure to specify correctly the paths to style sheets and image files to be used in the modified top page.
- Before changing the top page, back up the standard top page (the default top page recorded in the camera).
- If the [Restore Default Settings] is executed from [Maintenance] in the Setting Page after setting the top page, or the firmware of the camera has been updated, the top page will be restored to the default top page. You will have to overwrite the standard top page again to use the customized top page (files apart from the top page will be left unchanged after firmware updates). Backing up files used to correct the customized top page is recommended.
- We cannot guarantee that the top page will function correctly once it has been changed. In addition, no customer support will be provided in such cases.

The contents of this manual are subject to change without any prior notice.